

EXHIBIT 1: COST ESTIMATE
2003 Bottomlands Floodability Investigation

Green River, UT - Colorado River, CO - Gunnison River, CO

I. Labor per site

Task	Project Manager		Project Hyd. Eng.		Field Crew 3-per.*		Crew Chief I		CadTech.		HydroTech		GPS		Boat		Average Costs per site	Number of sites	Total costs
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost			
Task 1 - Hydrographic Surveying	1	\$61		\$0	10	\$1,867		\$0	2	\$109		\$0	\$5	\$108	10	\$60	\$2,097	8	\$16,776
Task 2 - Engineering Analyses	1	\$122	30	\$2,477		\$0		\$0	10	\$544		\$0		\$0		\$0	\$3,143	1	\$3,143
Task 3 - Engineering Design	2	\$244	70	\$5,781		\$0		\$0	10	\$544		\$0		\$0		\$0	\$6,568	3	\$19,705
Task 4 - Construction Oversight	1	\$61		\$0	24	\$4,481	64	\$4,963		\$0		\$0	\$8	\$173		\$0	\$9,504	5	\$47,522
Task 5 - Restoration Monitoirng	1	\$61		\$0	24	\$4,481		\$0		\$0		\$0	\$13	\$281		\$0	\$4,542	3	\$13,625
Subtotal	5	\$549	100	\$8,258	58	\$10,496	64	\$4,963	22	\$1,197	0	\$0	26	\$562	10	\$60	\$20,560		\$100,772

II. Other Direct Costs per site

Task 1 - Mileage Utah	800	Miles @	\$0.36	Per Mile	\$288	\$1,440
Task 1 - Mileage to G.J. / Delta Area	400	Miles @	\$0.36	Per Mile	\$144	\$1,440
Task 1 - Per Diem: Lodging and Food-10 days	8	Days @	\$85.00	Per Day	\$680	\$7,480
				Subtotal	\$1,112	\$10,360
III. Total Estimated Costs (I. and II.)				Total Cost	\$21,672	\$111,132

Rates Based on Option Year 3: Project Manager (\$121.96); Project Hyd. Eng (\$82.58); Crew Chief 1(\$77.54); Crew Member (\$54.58); Cad Tech (\$54.39); Hydrographic Tech (\$69.59); GPS (\$21.63); Boat (\$6.03)

* Field crew consists of Data Collection Crew Chief 1(\$77.54) and 2 @ Crew Member (\$54.58)